

Supplementary Table 1. Baseline patient and tumor characteristics

Patient Characteristics / Clinical Variables	Groups	n - by subject
Number of Subjects / Specimens		76
Gender	Male	36
	Female	40
Age	Median	67
	Range	32-91
Tumor Stage	I	16
	II	10
	III	16
	IV	29
	NA	5
Metastasis at enrollment	Liver	30
	Lung	11
	Other	16
Biopsy Modality	IR Guided Core Biopsy	
	EUS Guided FNBs	
	Surgical Specimen	
	Paracentesis/Pleuralacentesis	
Tumor Cellularity	≤ 20%	
	> 20%	
Biopsy Site	Primary	
	Metastasis	
Tumor Grade	Grade 1	
	Grade 2	
	Grade 3	
Tumor Size	Measurement along long axis	
	Depth from surface	

## Characteristics

n - by tissue specimens analyzed
75
37
27
8
3
31
28
31
43
8
21
6
median=30 mm; IQR=21.75mm
median=31mm IQR=29mm